

TITLE OF THE INVENTION **COPY OF PAPERS  
ORIGINALLY FILED**

[0001] Sound Generating Amusement Device

## BACKGROUND OF THE INVENTION

[0002] Recently, various versions of singing fish have been introduced as novelty items.

5 Generally speaking, each includes some sort of a detector for activating a circuit within the fish when someone comes within range of the detector to cause the fish to play a prerecorded program of speech and song and to move in an animated fashion.

[0003] While such devices are entertaining, their entertainment value diminished quickly because of their widespread notoriety. The devices were originally intended to surprise users  
10 by self-activation. However, since a mounted fish were not that common, as they became widely known, people would recognize them and anticipate their operation. This diminished the surprise aspect of their entertainment value.

## BRIEF SUMMARY OF THE INVENTION

[0004] The present invention is directed to a sound-generating alcoholic beverage container  
15 which is more common in appearance and therefore more easily disguised as a conventional utilitarian item so that the device is not readily identified by users before activated.

[0005] More particularly, the invention is an amusement device comprising: an alcoholic beverage container shaped housing; a sound synthesizer in the housing; a speaker in the housing and operably coupled with the sound synthesizer; a power supply in the housing  
20 operably coupled at least with the sound synthesizer; and a motion responsive switch in the housing operably coupled to the synthesizer activation of the synthesizer. The device, preferably housed to simulate an alcoholic drink container such as a wine bottle which, when

moved, will play a recorded message. The device may either be supplied with a prerecorded message from the factory or reproduce a message recorded by the end user or do both.

#### BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWINGS

[0006] The foregoing summary, as well as the following detailed description of preferred  
5 embodiments of the invention, will be better understood when read in conjunction with the  
appended drawings. For the purpose of illustrating the invention, there is shown in the  
drawings embodiments which are presently preferred. It should be understood, however, that  
the invention is not limited to the precise arrangements and instrumentalities shown. In the  
drawings:

10 [0007] Fig. 1 is a schematic representation of a device according to the present invention.

#### DETAILED DESCRIPTION OF THE INVENTION

[0008] Fig. 1 depicts schematically an amusement device of the present invention indicated  
generally at 10. The device includes an alcoholic beverage container shaped housing 12, which  
contains a sound synthesizer (chip) indicated generally at 14 activated by a motion responsive  
15 switch 16. A speaker 18 is positioned on the upper side of the container to reproduce a sound  
message generated by the synthesizer chip. A microphone 20 may be located elsewhere on the  
housing 12, for example, in the base, where the user can record a message to be reproduced by  
the synthesizer chip 14. Finally, a battery power supply 22 preferably with one or more  
rechargeable or replaceable batteries 23 is provided to power the various components.

20 [0009] The housing 12 may be shaped like an alcoholic drink container, preferably a wine  
bottle as depicted, or other alcoholic beverage bottle or can. Preferably, housing 12 is made of  
plastic but might be made of a glass or wood, as desired. The synthesizer chip 14 can be a  
commercially available chip from any of a variety of sources including but not limited to Texas  
Instruments and Motorola. The chip preferably includes a microprocessor 14a, analog to digital

and digital to analog converters 14b, an electronic Read Only Memory 14c for a factory supplied message that cannot be changed or a electronic Random Access Memory 14d for storing a changeable, user supplied message, or both memories, or equivalent circuitry configured to store and reproduce or record, store and reproduce an audible message

5 transmitted through the microphone 20. One or more of the elements 14a-14d may also be stand alone components operably coupled with the other components to provide the synthesizer. If needed, one or more conventional switches 24 (in phantom) can be provided for operator control input to the synthesizer chip 14.

[0010] The motion response switch 16 may be any conventional mercury contact switch or  
10 other suitable motion switch (e.g., spring and pin, rolling ball, etc.) which closes an open circuit through the switch to supply power from the power supply 22 to the chip 14 or to activate the chip 14 to draw power directly from the power supply 22 (in phantom) for at least an operating cycle of the chip 14 in response to movement of the device.

[0011] Microphone 20 might be a piezoelectric element disguised as a cover in the mouth  
15 of the bottle/housing 12. Alternatively, a cone type speaker might be used beneath a porous, sound transmitting member disguised as a cover, cork, etc. in the mouth of the bottle/housing 12. If a piezoelectric member is used as the speaker 18, it may also be possible for it to perform double duty as a microphone. Alternatively, a separate microphone 20 should be provided in a hidden area of the housing 12 if the device 10 is configured as preferred to permit the ultimate  
20 user to record a personal message for reproduction. The circuitry and components are configured to be in a dormant state until the chip 14 is activated by closure of the switch 16 in response to movement of the device 10, in which case one or more messages prerecorded on the chip 14 is reproduced through the speaker 18.

[0012] Preferably, a label 26 (indicated in phantom) is provided on the housing 12 and would be printed to satirize a known alcoholic beverage or otherwise have an original satirical or humorous designation. For example, a wine bottle shaped housing 12 might bear a label with graphics and one of the following names: CHATEAU LACREEP ROTTENCHILD;

5 CHUTEAU THE DOOR; SCREAMING BEAGLE; GO TAKE A FLYING LEAP; HURLING  
VINYARD; SUEME!; CHATEAU D'ECKEM; CHATEAU HAUT WHOGOESTHERE;  
CHATEAU COS ISAIDSO; CLOS D'WINDOW; DRY HEAVE; MYTENDONS CREAK;  
etc. If desired, the device 10 can be provided with several such labels for selective application  
to the housing 12. They may be supplied back with an adhesive having a sufficiently light tack  
10 to the outer surface of housing 12 that they can be removed and exchanged. In this way, the  
device 10 can be disguised and repeatedly used with the same people and still achieve surprise.

[0013] It will be appreciated by those skilled in the art that changes could be made to the  
embodiments described above without departing from the broad inventive concept thereof. It is  
understood, therefore, that this invention is not limited to the particular embodiments disclosed,  
15 but it is intended to cover modifications within the spirit and scope of the present invention as  
defined by the appended claims.